

OPERATING SPEED AUTOMATIC REGULATING DEVICE OF PASSENGER CONVEYOR

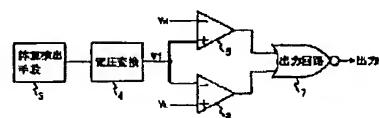
[71] Applicant: HITACHI LTD
HITACHI MITO ENG ;

[72] Inventors: ITO SO;;
KOMATSU TSUTOMU

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[57] Abstract:

PROBLEM TO BE SOLVED: To automatically regulate the operating speed of a passenger conveyor to a proper value by a user by providing a passenger's weight detecting means near the platform of the passenger conveyor, and automatically regulating the operating speed on the basis of the output signal of the weight detecting means.

SOLUTION: When no subject to detect is present in a weight detecting means 3 set near a platform, the magnitude of the output voltage V_1 of a voltage converting circuit 4 is $V_1 < VH$, $V_1 < VL$, and an output is generated from a comparative circuit 6. Consequently, a speed switching signal is outputted from an output circuit 7 to operate a passenger conveyor at a general operating speed. On the other hand, when an adult user is detected, the output voltage V_1 is $V_1 > VH$, $V_1 > VL$, and an output is generated from a comparative circuit 5 to operate the passenger conveyor similarly at the general operating speed. However, when a user such as a light child is detected, the passenger conveyor is switched to a prescribed speed since each comparative circuit 5, 6 generates no output.

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